

**GREENSPACES RESTORATION PROJECT  
FINAL REPORT**

**May 23, 2000**

**PROJECT NAME: EAST DELTA POND**

**FUNDING YEAR: 1999 – 2000**

**PARTNERS: METRO AND PORTLAND PARKS & RECREATION**

**CONTRACT # 921045**

## 1: Project Description

This project was proposed and carried out by Portland Parks & Recreation with U.S. Fish and Wildlife Service funding distributed through Portland Metropolitan Parks and Greenspaces Program (METRO). It included removal of undesirable plants, mostly blackberry on approximately 400 feet of pond bank. Planting with native plants was completed along this section with a width of about 50 feet. The pond is located on the west edge of East Delta Park adjacent to our Urban Forestry Division headquarters and the I-5 freeway.

The pond is fed by ground water, freeway runoff and drainage from East Delta Park. It acts as a floodwater containment facility, and has been filling with silt rapidly.

## 2. Goals and Benefits

This project offers an opportunity to restore an urban pond to a more natural condition. It is adjacent to a new sports complex, so may increase public awareness of this type of project. Due to the location, the site can easily be used as an interpretive center by Portland Parks & Recreation. We are also restoring habitat for both resident and migratory birds and other animal species. Last year I mentioned good results of sediment tests and this year ODOT and the Army Corps of Engineers will be increasing the depth of the pond from it's present 6" to 5'.

## 3. Work Tasks and Timelines

Aug. 1999	Site prep and blackberry removal
Sept. 1999	same
Oct. 1999	mulching of planted area
Nov. 1999	same
Dec. 1999	planting of native trees and shrubs
Jan. 2000	same
Feb. 2000	no activity
Mar. 2000	more mulch and planting of emergent wetland plants
Apr. 2000	same
May 2000	blackberry control and planting plus irrigation

## 4. Project Budget

METRO	TOTAL	\$10,076.76
Envirocorps Services	\$5200	
Plant Material	\$2000	
Supplies (irrigation)	\$ 676.76	
Supplies (mulch)	\$2200	

<b>MATCH</b>		<b>TOTAL</b>	<b>\$10,745.15</b>
Plant material	\$2000		
Staff labor	\$8522.40		
Equipment	\$223.15		

## 5. Project Staff / Workers / Volunteers

Urban Forestry Division staff and Northwest Service Academy (Envirocorps) worked together on this project. Portland Parks Horticultural Services grew and supplied the plant material.

## 6. What Worked and What Didn't

This year we planted a large number of trees and shrubs in the hope of suppressing re-growth of blackberry. As of mid May there has been some regeneration. A thick layer of mulch was installed, up to 10 inches deep, at the time of planting. The blackberries that recurred are much easier to remove from this mulch layer. I am hoping that the same will be true of morning glory which will surely try to invade the site.

## 7. Monitoring and Maintenance

The pond is located at our Urban Forestry Division headquarters so monitoring will be done on a daily basis. The main things we will monitor are soil moisture and invasive weeds. Portland Parks & Recreation staff will maintain the site.

## 8. Next Steps

This summer the depth of the pond will be increased to 5 feet at the center. Nesting mounds will be created as islands for safe refuge for waterfowl. At this time the only fish present are carp. If approval from the Oregon Department of Fish and Wildlife can be obtained, bass, bluegill and crappie will be reintroduced. About half of our pond has been completed with METRO grants and we hope to continue this partnership until the whole pond is restored. Our relationship with Envirocorps has grown stronger over the years and we also hope to continue this.

## DOCUMENTATION MUST BE ATTACHED FOR ALL COSTS

	Description of Services or Materials Purchases	Cost or Cash Value (cash, in-kind materials & services; volunteer labor)	Request for Reimbursement from Metro*
<b>PERSONNEL COSTS</b> Volunteer hours are valued at \$4.75 per hour. Attach time sheets or receipts.	\$5200 - Envirocorps	\$8,522.40 - 159 staff hours	\$5,200
<b>MATERIALS &amp; SUPPLIES</b> Briefly describe. Attach receipts.	\$2000 - Plant materials \$2200 - Mulch \$676.76 - Irrigation	\$2,000 - Plant Material	\$2,000 \$2,200 \$676.76
<b>EQUIPMENT RENTAL</b> Briefly describe. Attach receipts.		\$223.15 - Backhoe - 5 hours 6-yard Dumptruck - 5 hours Tractor - 6 hours	
<b>PROFESSIONAL or OUTSIDE SERVICE(S)</b> Briefly describe. Attach receipts.			
<b>TOTAL REIMBURSEMENT REQUESTED:</b>		\$10,745.55	\$10,076.76
*Reimbursement cannot exceed more than 50% of total project cost or more than total cash outlay and all must have a 1:1 match			



6/14/2000

## Pond.xls \ WO# 9607 - Parks Portion

Labor						
Date	Hours	Charge	Date	Part / Material	Quantity	Charge
20-Jul-99	3.00	160.80	2/11/2000	Backhoe	5	145.70
25-Jul-99	6.00	321.60	2/11/2000	6 Yard Dump Truck	5	43.25
27-Jul-99	3.00	160.80	3/30/2000	Pond Plant Material	1	2,000.00
02-Aug-99	1.00	53.60	5/24/2000	Tractor (4x4)	6	34.20
17-Aug-99	1.00	53.60	<b>Parts Total:</b>			<b>\$2,223.15</b>
01-Sep-99	3.00	160.80				
09-Sep-99	2.50	134.00				
10-Sep-99	2.00	107.20				
30-Nov-99	4.00	214.40				
07-Jan-00	1.50	80.40				
07-Feb-00	6.50	348.40				
09-Feb-00	13.00	696.80				
10-Feb-00	11.00	589.60				
11-Feb-00	7.50	402.00				
15-Feb-00	2.00	107.20				
17-Feb-00	1.00	53.60				
22-Feb-00	2.00	107.20				
24-Feb-00	1.00	53.60				
11-Apr-00	2.00	107.20				
17-Apr-00	1.00	53.60				
18-Apr-00	1.00	53.60				
19-Apr-00	2.00	107.20				
20-Apr-00	2.00	107.20				
21-Apr-00	2.50	134.00				
25-Apr-00	2.00	107.20				
26-Apr-00	3.00	160.80				
02-May-00	4.00	214.40				
05-May-00	2.50	134.00				
15-May-00	3.00	160.80				
16-May-00	1.00	53.60				
18-May-00	2.00	107.20				
22-May-00	25.00	1,340.00				
23-May-00	15.00	804.00				
24-May-00	20.00	1,072.00				
25-May-00	10.00	536.00				
26-May-00	5.50	294.80				
<b>Labor Total:</b>	<b>159.00</b>	<b>\$8,522.40</b>				

**TOTAL: \$10,745.55**

**EDUCATIONAL SERVICE DISTRICT #112  
2500 NE 65<sup>TH</sup> AVE  
VANCOUVER, WA 98661**

**Fax Cover Sheet**

**DATE:** May 31, 2000

**TIME:** 9:50 pm

**TO:** CHARLIE DAVIS

**FAX:** 503-823-4493

**FROM:** Bernice Sundby

**PHONE:** 360-750-7500 X226

**FAX:** 360-750-9706

**RE:** Invoices for contract #NWSA-00-03-IP-8

**Number of pages including cover sheet:**

**Message**

Scott Bradway asked me to fax you copies of the invoices associated with the contract you have with Northwest Service Academy for \$10,200. Please let me know if there is anything else you need...

Scope 1: Urban Forestry Outreach Assistant \$5,000

Invoice #39249, dated 10/15/99 in amount of \$1,800

Invoice #41280, dated 4/15/00 in amount of \$1,600

Invoice #41282, dated 5/15/00 in amount of \$1600

Scope 2: East Delta Park Ponds-Envirocorps Team work on 9/9,10,13,14 \$1,600

Invoice #40097, dated 1/4/00 in amount of \$1,600

Scope 3: East Delta Park Ponds-Envirocorps Team work on 2/9,10,11,12,22 \$2,000

Invoice #42183, dated 5/15/00 in amount of \$2000

Scope 5: East Delta Park Ponds-Envirocorps Team work on 5/24,26,30,31 \$1,600

Invoice #41986, dated 5/15/00 in amount of \$1,600

ICE DISTRICT #112

ENUE

98661-6812

DEPT

ADBY-ACCTS RECEIVABLE

7511

INVOICE NO: 40097-

APPLY TO: 40097-

INVOICE DATE: 01/04/2000

DUE DATE: 01/04/2000

DISCOUNT DATE:

DISCOUNT AMT: .00

PORTLAND PARKS AND RECREATION  
URBAN FORESTRY DIVISION  
10910 N DENVER  
PORTLAND OR 97217

DESC: ENVIROCORP/SEPT 99 SERVICES

TERMS: DUE UPON RECEIPT

CUST LOC:

REF NO/NA: NWSA00-03FT-8/2

REF TXT: NWSA-METRO CONTRACT

REF DATE: 01/04/2000

LN	DESCRIPTION	QTY	U/M	PRICE	EXTENSION
01	FEE FOR SERVICE BY ENVIRDCORP TEAM ON 9/9,10,13,14/99 AS PER CONTRACT ON EAST DELTA PARK PONDS.REP:BRIAN MCNERNEY.SUPERVISOR:CHARLEY DAVIS.	1.00	EACH	1600.0000	1,600.00

PLEASE REMIT ONE COPY OF INVOICE WITH PAYMENT.  
PRICE INCLUDES TAX AND SHIPPING.

PAID 01/00

SUBTOTAL  
1600.00

DISCOUNT  
.00

FEE 1  
.00

FEE 2  
.00

SALES TAX  
.00

INV TOTAL  
1,600.00

LINE 1 OFFICIAL USE BELOW AMOUNT  
960 29-62-04-05332 1,600.00

EDUCATIONAL SERVICE DISTRICT #112  
 2500 NE 65TH AVENUE  
 VANCOUVER WA 98661-6812  
 ATTN: ACCTING DEPT

INVOICE NO: 42183-  
 APPLY TO: 42183-  
 INVOICE DATE: 05/15/2000  
 DUE DATE: 05/15/2000  
 DISCOUNT DATE:  
 DISCOUNT AMT: .00

BERNICE SUNDY-ACCTS RECEIVABLE  
 (360)750-7511

612 PORTLAND PARKS AND RECREATION  
 URBAN FORESTRY DIVISION  
 10910 N DENVER  
 PORTLAND OR 97217

NV DESC: EAST DELTA PARK PONDS-FEB 00.  
 TERMS: DUE UPON RECEIPT  
 UST LOC:

REF NO/NA: NWSA00-03FT-8/3  
 REF TXT: NWSA/METRO CONTRACT  
 REF DATE: 05/30/2000.

DESCRIPTION	QTY	U/M	PRICE	EXTENSION
FEE FOR SERVICE BY ENVIROCORPS ON FEB 9,10,11,12,22 (5DAYS) @ \$400/DAY ON EAST DELTA PARK PONDS PROJECT. SUPERVISOR: CHARLIE DAVIS.	1.00	EACH	2000.0000	2,000.00

PLEASE REMIT ONE COPY OF INVOICE WITH PAYMENT,  
 PRICE INCLUDES TAX AND SHIPPING.

SUBTOTAL	DISCOUNT	FEE 1	FEE 2	SALES TAX	INV TOTAL
2000.00	.00	.00	.00	.00	2,000.00

NE----- OFFICIAL USE BELOW -----AMOUNT  
 960 29-62-04-05332 2,000.00



## EDUCATIONAL SERVICE DISTRICT #122

2500 NE 65TH AVENUE  
VANCOUVER WA 98661-6812

ATTN: ACCTING DEPT

BERNICE SUNDY-ACCTS RECEIVABLE  
(360)750-7511INVOICE NO: 41986-  
APPLY TO: 41986-  
INVOICE DATE: 05/15/2000  
DUE DATE: 05/15/2000DISCOUNT DATE:  
DISCOUNT AMT: .00612 PORTLAND PARKS AND RECREATION  
URBAN FORESTRY DIVISION  
10910 N DENVER  
PORTLAND OR 97217INV DESC: ENVIROCORP SERVICES  
TERMS: DUE UPON RECEIPT  
CUST LOC:REF NO/NA: NWSA00-031P-8/5  
REF TXT: NWSA/METRO CONTRACT  
REF DATE: 05/05/2000

IN DESCRIPTION	QTY	U/M	PRICE	EXTENSION
1 ENVIROCORP TEAM SERVICES ON MAY 24,26,30,31 AS PER TERMS OF AGREEMENT (SCOPE #3).	1.00	EACH	1600.0000	1,600.00

PLEASE REMIT ONE COPY OF INVOICE WITH PAYMENT.  
PRICE INCLUDES TAX AND SHIPPING.SUBTOTAL  
1600.00DISCOUNT  
.00FEE 1  
.00FEE 2  
.00SALES TAX  
.00INV TOTAL  
1,600.00

INE----- OFFICIAL USE BELOW -----

960 29-62-04-05332

AMOUNT  
1,600.00

**\* INVENTORY TRANSFER \***

Portland Parks & Recreation  
6437 SE Division St  
Portland, OR 97206-\_\_\_\_  
**Check Out Document**

Page No. 1  
Run Date 05/18/2000

Key No.	Reference No.	Department	Stock No. & Description	Qty	Avg Cost	Ext. Cost
2992	CHARLE	13070700	3752-025-001	2.00 @	\$7.00	\$14.00
	05/18/2000		SPRINKLER,BASE			
2992	CHARLE	13070700	3752-023-080	2.00 @	\$25.82	\$51.64
	05/18/2000		SPRINKLER, IMPACT			
2992	CHARLE	13070700	4730-042-383	2.00 @	\$1.41	\$2.82
	05/18/2000		PIPE NIPPLE			
2992	CHARLE	13070700	4730-192-048	2.00 @	\$0.59	\$1.18
	05/18/2000		PIPE COUPLING			
2992	CHARLE	13070700	4720-004-002	6.00 @	\$31.13	\$186.78
	05/18/2000		HOSE,GARDEN			
2992	CHARLE	13070700	3751-068-005	6.00 @	\$22.08	\$132.48
	05/18/2000		COUPLER, QUICK, QUIL			
2992	CHARLE	13070700	3752-023-094	11.00 @	\$7.10	\$78.10
	05/18/2000		SPRINKLER,IMPACT			
2992	CHARLE	13070700	3752-025-002	11.00 @	\$4.80	\$52.80
	05/18/2000		SPRINKLER,BASE			
2992	CHARLE	13070700	4720-004-003	4.00 @	\$18.97	\$75.88
	05/18/2000		HOSE,GARDEN			
2992	CHARLE	13070700	4730-042-353	6.00 @	\$0.80	\$4.80
	05/18/2000		PIPE NIPPLE			
2992	CHARLE	13070700	4820-103-070	6.00 @	\$5.86	\$35.16
	05/18/2000		HOSE BIB VALVE			
2992	CHARLE	13070700	4820-027-175	4.00 @	\$10.00	\$40.00
	05/18/2000		HOSE SHUT OFF VALVE			
2992	CHARLE	13070700	5330-018-013	1.00 @	\$0.63	\$0.63
	05/18/2000		TAPE, TEFLON			
2992	CHARLE	13070700	5330-070-080	1.00 @	\$0.49	\$0.49
	05/18/2000		HOSE WASHER			
Total Events		14	Total Quantities	64.00		\$676.76

Received \_\_\_\_\_

Date \_\_\_\_\_



## PLANT LIST 1/12/00 BY HORTICULTURAL SERVICES FOR DELTA PARK

	PLANT NAME	COMMON NAME		EACH	TOTAL
	<b>Trees</b>				
1G	Alnus rubra	Red Alder	45	\$ 2.50	\$ 112.50
1G	Amelanchier alnifolia	Serviceberry	15	\$ 3.00	\$ 45.00
1G	Acer macrophyllum	Big Leaf Maple	15	\$ 3.00	\$ 45.00
1G	Crataegus douglasii	Black Hawthorn	45	\$ 2.50	\$ 112.50
2G	Fraxinus latifolia	Oregon Ash	20	\$ 6.00	\$ 120.00
1G	Oemleria cerasiformis	Indian Plum	10	\$ 3.50	\$ 35.00
1G	Salix fluviatilis	Columbia River W.	15	\$ 2.50	\$ 37.50
1G	Salix lasiandra	Pacific Willow	15	\$ 2.50	\$ 37.50
1G	Salix hookeriana	Hooker's Willow	10	\$ 2.50	\$ 25.00
1G	Salix scouleriana	Scouler Willow	12	\$ 3.00	\$ 36.00
2G	Salix sitchensis	Sitka Willow	8	\$ 4.00	\$ 32.00
2G	Thuja plicata	Western Red Cedar	10	\$ 6.00	\$ 60.00
			160		\$ 585.50
	<b>Shrubs</b>				
1G	Cornus sericea	Red-twig Dogwood	20	\$ 2.50	\$ 50.00
1G	Lonicera involucrata	Twinberry	25	\$ 3.00	\$ 75.00
1G	Physocarpus capitatus	Ninebark	30	\$ 3.00	\$ 90.00
1G	Rosa pisoscarpa	Swamp Rose	85	\$ 3.00	\$ 255.00
BR	Rubus parviflorus	Thimbleberry	480	\$ 0.50	\$ 240.00
1G	Rubus spectabilis	Salmonberry	50	\$ 3.00	\$ 150.00
2G	Sambucus racemosa	Red Elderberry	5	\$ 6.75	\$ 33.75
1G	Spiraea douglasii	Douglas Spirea	50	\$ 2.50	\$ 125.00
BR	Spiraea douglasii	Douglas Spirea	498	\$ 0.50	\$ 249.00
			745		\$ 1,018.75
	<b>Emergents</b>				
4"	Carex obnupta	Slough sedge	75	\$ 1.50	\$ 112.50
4"	Carex stipata	Sawbeak Sedge	55	\$ 1.50	\$ 82.50
4"	Juncus articulatus	Jointed Rush	60	\$ 1.50	\$ 90.00
4"	Juncus effusus	Soft Rush	60	\$ 1.50	\$ 90.00
4"	Juncus ensifolius	Dagger-Leaf Rush	66	\$ 1.50	\$ 99.00
4"	Juncus oxymers	Pointed Rush	60	\$ 1.50	\$ 90.00
			376		\$ 564.00
			2800		\$ 4,000.00

Post-it Fax Note	7671	Date	# of pages
To	Charley	From	Cindy
Co./Dept.		Co.	
Phone #		Phone #	21636
Fax #		Fax #	2244

Plant list for pond

Urban Forestry Division  
10910 N Denver  
Portland, Oregon 97217  
Phone (503) 823-4489  
Fax (503) 823-4493



*Ensuring access to  
leisure opportunities  
and enhancing  
Portland's natural beauty*

## PORTLAND PARKS & RECREATION

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# INVOICE

5/30/00

*City of Portland  
Portland Parks & Recreation  
Urban Forestry Division  
10910 N. Denver  
Portland, OR 97217*

*Attn: Accounting Department*

*Urban Forestry billing on the Pond project for mulch used on the project to date.*

*This is an invoice and cost for twenty units of mulch at \$110.00 per unit.*

*The total cost is **(\$2,200.)** You can address check to the City of Portland.*

*If you have questions regarding this billing you may reach me, Charley Davis, Project Manager at 503-823-4523 or office at 503-823-4489.*

*Respectfully,*

*Charley Davis  
Project Manager  
Urban Forestry Division*



INTERSTATE 5

